

CLAIMS

1. (previously presented) A data processing method for a UDDI registry to enable location of details of services which match service requester requirements, the method of the UDDI registry comprising the steps:

receiving, at a data processing host, a standard UDDI request to locate service details, the request comprising details of a tModel which defines service requirements specified in a particular language;

locating details of at least one service, the details comprising a tModel which defines service capabilities specified in the particular language;

selecting from a plurality of external matching services an external matching service which, itself, comprises an external, published search engine independent of a search engine internal to the UDDI registry, wherein the published search engine ~~capable of comparing~~compares the service requirements and service capabilities through semantic cues in the UDDI request, wherein each external matching service is accessed through an interface defined in an interface tModel;

using the external matching service to filter the located details to find those with indicated service capabilities which match the service requirements; and

receiving, at the data processing host, a request to register a new external matching engine wherein the matching engine implements the interface defined in the interface tModel;

wherein the plurality of external matching services includes the new matching engine.

2. (original) The method of claim 1 wherein the standard UDDI request further comprises service requirements specified in a standard UDDI category, the method comprising the further step of:

finding details of at least one service, the details defining service

capabilities which match the service requirements specified in a standard UDDI category;
wherein the locating step locates details of at least one service from those
found by the finding step.

3. (cancelled)

4. (original) The method of claim 1 wherein the standard UDDI request is a
find_tModel request.

5. (original) The method of claim 1 wherein the particular language is one of
DAML-S, UML, and WSDL.

6. (cancelled)

7. (cancelled)

8. - 28. (cancelled)

29. (currently amended) The method of claim 1, wherein the UDDI registry itself
~~is further capable of utilizing~~ utilizes the external, published search engine in lieu of the
search engine internal to the UDDI registry.

30. (newly added) A data processing system, comprising:
a UDDI registry installed on a data processing host, the UDDI registry
configured to enable location of details of services which match service requester
requirements, wherein the UDDI registry is configured to:
receive, at the data processing host, a standard UDDI request to locate
service details, the request comprising details of a tModel which defines service

requirements specified in a particular language;

locate details of at least one service, the details comprising a tModel which defines service capabilities specified in the particular language;

select from a plurality of external matching services an external matching service which, itself, comprises an external, published search engine independent of a search engine internal to the UDDI registry, wherein the published search engine compares the service requirements and service capabilities through semantic cues in the UDDI request, wherein each external matching service is accessed through an interface defined in an interface tModel;

use the external matching service to filter the located details to find those with indicated service capabilities which match the service requirements; and

receive, at the data processing host, a request to register a new external matching engine wherein the matching engine implements the interface defined in the interface tModel;

wherein the plurality of external matching services includes the new matching engine.

31. (newly added) The data processing system of claim 30, wherein the standard UDDI request further comprises service requirements specified in a standard UDDI category, and wherein the UDDI registry is further configured to find details of at least one service, the details defining service capabilities which match the service requirements specified in a standard UDDI category, wherein the location of details of at least one service corresponds to details of at least one service from those found by the UDDI registry.

32. (newly added) The data processing system of claim 30, wherein the standard UDDI request is a find_tModel request.

33. (newly added) The data processing system of claim 30, wherein the particular language is one of DAML-S, UML, and WSDL.

34. (newly added) The data processing system of claim 30, wherein the UDDI registry itself utilizes the external, published search engine in lieu of the search engine internal to the UDDI registry.